A COMPLETE LISTING OF THE CLAIMS

Claim 1-23 (canceled)

Claim 24 (new): A semiconductor test system, comprising:

a system controller;

a site controller coupled to the system controller;

a test module corresponding to a device under test (DUT), wherein the test module is controlled by the site controller; and

a pattern compiler located on a computer acting as the system controller, wherein the pattern compiler includes a module-specific pattern compiler and an object file manager (OFM) for directing the module-specific pattern compiler to compile both a corresponding module-specific section of a pattern source file and a common section of the pattern source file.

Claim 25 (new): The system of claim 24, wherein the OFM manages a pattern object metafile.

Claim 26 (new): The system of claim 25, wherein the OFM provides an application programming interface (API) to read and write the pattern object metafile.

Claim 27 (new): The system of claim 26, wherein the module-specific compiler writes module-specific header information and module-specific data into the pattern object metafile.

Claim 28 (new): The system of claim 27, wherein the site controller loads the module-specific data to the test module from a module-specific section of the pattern object metafile.

Claim 29 (new): The system of claim 24, further comprising:

a module connection enabler coupling the site controller to the test module,

wherein the system controller defines a connection of the site controller to a port of the module connection enabler based on a system configuration file, and a connection of the test module to a port of the module connection enabler based on a module configuration file.

Claim 30 (new): The system of claim 25, further comprising:

a module connection enabler coupling the site controller to the test module,

wherein the system controller defines a connection of the site controller to a port of the module connection enabler based on a system configuration file, and a connection of the test module to a port of the module connection enabler based on a module configuration file.

Claim 31 (new): The system of claim 29, wherein the module connection enabler is a switch matrix.

Claim 32 (new): The system of claim 30, wherein the module connection enabler is a switch matrix.

Claim 33 (new): The system of claim 24, wherein the site controller is one of a plurality of site controllers.

Claim 34 (new): The system of claim 24, wherein the test module is one of a plurality of test modules .

Claim 35 (new): The system of claim 34, wherein the plurality of test modules are controlled by the site controller.

Claim 36 (new): The system of claim 29,

wherein the test module is one of a plurality of test modules, and

wherein the module connection enabler couples the site controller to the plurality of test modules.

Claim 37 (new): The system of claim 30, wherein the test module is one of a plurality of test modules, and wherein the module connection enabler couples the site controller to the plurality of test modules.

Claim 38 (new): The system of claim 24, wherein the module-specific pattern compiler is one of a plurality of module-specific pattern compilers.